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SOURCE Newspapers as indicated.

NEW PROCESSES IN PAPER AND SOAP MANUFACTURE

INTRODUCE NEW IMPROVED TYPES OF PAPER -- Moscow, Komsomol'skaya Pravda, 9 Apr 50

Soviet scientists have worked out a means of utilizing a special substance, melamine resin. When this resin is added to the preparation used for making paper, the paper does not lose its tensile strength in water.

This paper has a variety of uses. Rugs made from it are widely used in the automobile industry to line floors of the ZIS-110, Pobeda, and Moskvich automobiles. Small, but heavy, beams and electric insulators are made from it. The latter are made by gluing several sheets together under pressure with plastic materials to form a shiny, black material nearly one and a half times as heavy as water.

Automatic instruments used in scientific research for measuring air pressure, humidity, and tensile strength are now able to record results on a special paper tape without using ink or pencils. This tape is now produced by many factories. Its method of preparation is simple. The paper is first dyed, then covered with a special light compound resembling paraffin. A thin needle, working automatically, leaves a clearly visible mark on it.

For a long time, cigarette paper has been prepared from linen rags. All attempts to prepare it from wood have been unsuccessful, since the lignin contained in wood caused bitter, unpleasant smoke. Soviet scientists have now found a method of removing the lignin from wood so that a new type of cigarette paper, as good quality as the best varieties formerly produced, can be made.

PRODUCE SOAP FROM KEROSENE -- Baku, Bakinskiy Rabochiy, 7 Jan 50

The Institute of Petroleum of the Academy of Sciences, Azerbaydzhan SSR, has developed a method of preparing soap from Baku kerosene. Laboratory experiments have shown that the soap does not smell of petroleum, does not irritate

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the skin, and forms suds even in salt water. From one kilogram of kerosene, 700 grams of high-quality soap can be made. At present, methods of producing the new soap on a large scale are being worked out.

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